STIC EIC 2100 Search Request Form

160539 (96)

Today's Date: 7/26/05

What date would you like to use to limit the search?

Priority Date: 7/27/00 Other:

Name _Trenton Roche_____

AU ___2193_____ Examiner # __79908____

Room # 5B11_____ Phone __23733_____

Serial # ____09/836,333_____

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWP EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES (NO)

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

The invention is directed to a software installation system. Typically, when installation an application which requires a product key, the product key must be entered each time the program is installed/reinstalled. The instant application provides a work-around, thereby saving the user the hassle of re-entering the product key each time.

When a user installs the application the first time, the user inputs a product key. The system, once it decides the product key is correct, writes the product key to a memory storage unit (CMOS RAM in one embodiment) on the computer system, and then finishes installation of the software application. Then, when the user wants to either reinstall the application or just revert it to an "clean installation" state, the user runs a restoration program. The restoration program reads the stored product key (from the storage unit or CMOS) and compares that key to the key associated with the already installed application program. If the two match, the restoration program automatically inputs the stored product key into the product key input window, and installation continues. Note Figures 5 and 6 for a flowchart of the above.

STIC Searcher Geoffrey St-Leger Phone 23540

Date picked up 7/29/5 Date Completed 7/29/5

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USPTO

STIC Search Report
EIC 2100

STIC Database Tracking Number: 16[illegible]

TO:	From:
Trenton Roche Location: RND 5B11 Art Unit : 2193 Friday, July 29, 2005 Case Serial Number: 09/836333	Geoffrey St. Leger Location: EIC 2100 Randolph-4B31 Phone: 23450 geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Roche.

Attached please find the results of your search request for application 09/836333. I searched Dialog's patent files, technical databases and general files; along with the Internet.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B31/x23540.

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STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact:***

Anne Hendrickson, EIC 2100 Team Leader
272-3490, RND 4B28

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 2133*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

  Types of relevant prior art found:
  - ☐ Foreign Patent(s)
  - ☐ Non-Patent Literature
    (journal articles, conference proceedings, new product announcements etc.)
- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

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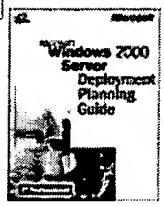

Microsoft® Windows® 2000 Server: Deployment Planning Guide

By Microsoft Corporation

Publisher: **Microsoft Press**
Pub Date: **January 19, 2000**
Part Number: **097-0001946**
ISBN: **1-57231-805-8**
Pages: **1248**
Slots: **1.0**

Overview

Create a deployment plan, including pilot projects and testing; Prepare you infrastructure; determine network connectivity and security strategies ; De Directory™ infrastructure and domain migration strategy; Automate setup clients; test applications for compatibility and optimize their availability w Clustering; Define client administration and change and configuration man

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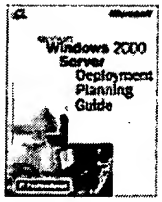

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Section: Appendix C. Sample Answer Files for Unattended Setup

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Answer File Keys and Values

Every key in an answer file must have a value assigned to it; however, some keys are optional, and some keys have default values that are used if the key is omitted.

Key values are strings of text unless numeric is specified. If numeric is specified, the value is decimal unless otherwise noted.

Note

Keys are not case sensitive; they can be uppercase or lowercase.

For more information about answer file keys and values, see the "Microsoft Windows 2000 Guide to Unattended Setup" (Unattend.doc) on the Microsoft Windows 2000 operating system CD. The Unattend.doc file is part of the Deploy.cab file in the \Support\Tools folder. On Windows 98 or Windows 2000, use Windows Explorer to extract this document. On earlier versions of Windows, or from MS-DOS, use the Extract command to access the file.

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Section: Chapter 25. Automating Client Installation and Upgrade

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Installation Configuration Examples

The examples included here provide procedures for installation of Windows 2000 Professional to computers either with preexisting client configurations or without any existing configuration.

Existing Client Computers

The examples in this section are for computers that have the following preexisting client configurations.

Example 1: Windows NT Workstation 4.0 with Windows 2000 Compatible Client Applications

Perform an upgrade. Client operating systems that can be upgraded include Windows 95, Windows 98, Windows NT Workstation 4.0, and Windows NT Workstation 3.51.

For information about applications that are compatible with Windows 2000 Professional, see the Directory of Windows 2000 Applications link on the Web Resources page at http://windows.microsoft.com/windows2000/reskit/webresources.

▼ To install Windows 2000 Professional on computers that have compatible hardware

1. Back up user settings.
2. Upgrade the system by using one of the following methods:
   - Initiate a "push" (completely automated) installation by doing the following:
     - Using systems management software such as Microsoft® Systems Management Server.

       –Or–

     - Performing a network installation.

       –Or–

     - Performing a remote boot. This requires that Remote Installation Server be configured and a bootable network adapter installed.

- Initiate local installation by running Winnt32.exe with the desired parameters from the command line and:
  - Perform a manual installation (with no answer file). Answer all prompts.

    –Or–

  - Perform an automated or semiautomated installation with an answer file. In a completely automated installation, the answer file provides answers for all questions. You can use a semiautomated installation to permit some user input for applications that you choose.

▼ To install Windows 2000 Professional on a computer that has noncompatible hardware and whose hard disk does not need to be replaced

1. Replace any necessary hardware except the hard disk.
2. Verify that all new hardware functions properly.
3. Back up user settings.
4. Upgrade the system using one of the following methods:
   - Initiate a "push" (completely automated) installation by doing the following:
     - Using systems management software such as Systems Management Server.

       –Or–

     - Performing a network installation.

       –Or–

     - Performing a remote boot. This requires that Remote Installation Server be configured and a bootable network adapter installed.
   - Initiate a local installation by running Winnt32.exe with the desired parameters from the command line and:
     - Perform a manual installation (with no answer file). Answer all prompts.

       –Or–

     - Perform an automated or semiautomated installation.

▼ To install Windows 2000 Professional on a computer that has noncompatible hardware and whose hard disk must be replaced

1. Upgrade at least one of the following:
   - RAM
   - Processor
2. Verify that all new hardware functions properly.

3. Back up user settings.

   Note

   Although it is possible to back up the entire contents of the hard disk to a new hard disk before upgrading the computer, this is not generally feasible for client computers.

4. Replace the hard disk. Copy the image that was backed up.

5. Run Winnt.exe from the command prompt with the desired parameters by using one of the following methods:

   - Perform a manual installation (no answer file), and answer all prompts.

     –Or–

   - Perform an automated or semiautomated installation. Use one of the following methods:

     - CD-ROM Boot Setup.
     - Syspart. This is useful when installing new hard disks in the computers.
     - Sysprep. Use when installing to identical computers (HALs and mass storage device controllers must be identical).
     - Remote boot. This requires Remote Installation Server to be configured and a bootable network adapter to be installed.

6. Install applications compatible with Windows 2000 Professional.

7. Verify system functions as required.

8. Import user settings (for example, Regedit/Regedt32, logon scripts, policies, roaming profiles).

Example 2: Windows NT Workstation 3.5 or Earlier, and Non-Microsoft Client Computers

Client operating systems that cannot be upgraded include MS-DOS, Windows 3.*x*, Windows NT Workstation 3.5 or earlier, and OS/2.

To prepare for a clean installation, obtain a client computer built by an OEM/Solution Provider. To perform a clean installation on a new computer or install the operating system on an existing computer, perform the following procedure.

Note

For information about applications that are compatible with Windows 2000 Professional, see the Directory of Windows 2000 Applications link on the Web Resources page at http://windows.microsoft.com/windows2000/reskit/webresources.

▼ To install Windows 2000 Professional on a client operating system that cannot be upgraded

1. Back up user settings.

   Caution

If you install Windows 2000 Professional on an existing computer running an operating system that cannot be upgraded to Windows 2000, all user settings will be lost.

2. Run Winnt.exe from the command prompt with the desired parameters by using one of the following methods:

   - Perform a manual installation (no answer file), and answer all prompts.

     –Or–

   - Perform an automated or semiautomated installation. Use one of the following methods:

     - CD-ROM Boot Setup.
     - Syspart. This is useful when installing new hard disks in the computers.
     - Sysprep. Use when installing to identical computers (HALs and mass storage device controllers must be identical).
     - Remote boot. This requires Remote Installation Server to be configured and a bootable network adapter to be installed.

3. Install applications that are compatible with Windows 2000 Professional.
4. Verify system functions as required.
5. Import user settings (for example, Regedit/Regedt32, logon scripts, policies, roaming profiles).

New Client Computers

Client computers without any pre-Windows 2000 Professional operating system installed require a clean installation of Windows 2000 Professional.

To prepare for installation, obtain a client computer built by an OEM/Solution Provider.

▼ To install Windows 2000 Professional on a computer that does not have any pre-Windows 2000 operating system installed

- Perform a manual installation (no answer file), and answer all prompts.

  –Or–

- Perform an automated or semiautomated installation. Use one of the following methods:

  - CD-ROM Boot Setup.
  - Syspart. This is useful when installing new hard disks in the computers.
  - Sysprep. Use when installing to identical computers (HALs and mass storage device controllers must be identical).
  - Start disk and run Setup with an answer file.

- Remote boot. This requires RIS to be configured and a bootable network adapter to be installed.

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Appendix C. Sample Answer Files for Unattended Setup

Unattended Setup in Microsoft® Windows® 2000 uses an ASCII text file that is called an answer file to supply data that would otherwise be entered interactively when you run the Setup Wizard. The answer file is specified on either a Winnt.exe or Winnt32.exe command line when the unattended setup option is used. (For information about when to use which command line, see Appendix B, "Setup Commands," in this book.)

This appendix includes sample answer files that are appropriate for common installation configurations. You can customize the default answer file (Unattend.txt) that comes with Windows 2000 or write a new one based on the samples that are provided in this appendix.

In This Appendix:

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Answer File Keys and Values	1039
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Related Information in the Resource Kit

- For more information about setup commands, see Appendix B, "Setup Commands" in this book.

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Answer File Format

An answer file consists of section headers, keys, and the values for each key. Most of the section headers are predefined, but some can be user defined. You do not need to specify all the possible keys in an answer file if the installation does not require them. Invalid key values generate errors or can cause incorrect behavior after setup. The file format is as follows:

```
[section_name]
```

Sections contain keys and the corresponding values for those keys. Each key and value are separated by a space, an equal sign, and a space. The following is an example:

```
key = value
```

Values that have spaces in them require double quotes around them. The following is an example:

```
key = "value with spaces"
```

Some sections have no keys and merely contain a list of values. The following is an example:

```
[OEMBootFiles]
Txtsetup.oem
```

Comment lines start with a semicolon.

```
; This is an example of a comment line.
```

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Sample Answer Files

The sample answer files that are provided in this section are examples of the more common installation configurations of the keys commonly used in those configurations. Consider these files as examples only, and modify them as appropriate for your organization.

> **Note**
>
> In the answer files that follow, the use of italic font style indicates that the user must supply the required information.
>
> Also, to call attention to each section, the section names appear in bold font style; however, you need not follow this formatting convention in your answer file.

Sample 1 – Default Unattend.txt

The following answer file is the default Unattend.txt file provided on the Windows 2000 CD.

```
; Microsoft Windows 2000 Professional, Server, Advanced Server
; © 1994–1999 Microsoft Corporation. All rights reserved.
;
; Sample Answer File for Unattended Setup
;
; This file contains information about how to automate the installation
; or upgrade of Windows 2000 Professional and Windows 2000 Server so
; that the Setup program runs without requiring user input.
;

[Unattended]
  UnattendMode = FullUnattended
  OemPreinstall = No
  TargetPath = Winnt
  Filesystem = LeaveAlone

[UserData]
  FullName = "Your user name"
  OrgName = "Your organization name"
; It is recommended that you avoid using spaces in the ComputerName
; value.
  ComputerName = "YourComputer_name"
```

```
; To ensure a fully unattended installation, you must provide a value
; for the ProductId key.
  ProductId = "Your product ID"
[GuiUnattended]
; Sets the TimeZone. For example, to set the TimeZone for the
; Pacific Northwest, use a value of "004." Be sure to use the
; numeric value that represents your own time zone. To look up
; a numeric value, see the Unattend.doc file on the Windows 2000 CD.
  TimeZone = "YourTimeZone"
; It is recommended that you change the administrator password
; before the computer is placed at its final destination.
  AdminPassword = AdminPassword
; Tells Unattended Setup to turn AutoLogon on and log on once.
  AutoLogon = Yes
  AutoLogonCount = 1

[LicenseFilePrintData]
; This section is used for server installs.
  AutoMode = "PerServer"
  AutoUsers = "5"

[GuiRunOnce]
; List the programs that you want to start when you log on to the
; computer for the first time.

[Display]
  BitsPerPel = 8
  XResolution = 800
  YResolution = 600
  VRefresh = 70

[Networking]
; When you set the value of the InstallDefaultComponents key
; to Yes, Setup will install default networking components.
; The components to be set are TCP/IP, File and Print Sharing,
; and Client for Microsoft Networks.
  InstallDefaultComponents = Yes

[Identification]
; Identifies your workgroup. It is recommended that you avoid
; using spaces in this value.
  JoinWorkgroup = "YourWorkgroup"
```

Sample 2 – Unattended Installation of Windows 2000 Professional from CD-ROM

The following answer file installs Microsoft® Windows® 2000 Professional from CD-ROM. For this answer file to function properly, you must name it Winnt.sif and place it on a floppy disk.

```
; Microsoft Windows 2000 Professional
; © 1994–1999 Microsoft Corporation. All rights reserved.
;
; Sample Answer File for Unattended Setup
;
; This file contains information about how to automate the installation
; or upgrade of Windows 2000 Professional so that the Setup program runs
; without requiring user input.
;

[Data]
; This section is required when you perform an unattended installation
; by starting Setup directly from the Windows 2000 installation CD-ROM.
  Unattendedinstall = Yes
; If you are running Unattended Setup from the CD-ROM, you must set the
; Msdosinitiated key to 0.
  Msdosinitiated = "0"
; AutoPartition allows Windows 2000 Unattended Setup to choose a
; partition to install to.
  AutoPartition = 1

[Unattended]
```

```
  UnattendMode = FullUnattended
; The OemPreinstall key tells Unattended Setup that the installation is
; being performed from distribution shares if the value is set to Yes.
  OemPreinstall = Yes
  TargetPath = Winpro
  FileSystem = LeaveAlone
; If the OemSkipEula key is set to Yes, it informs Unattended Setup that
; the user should not be prompted to accept the End User License
; Agreement (EULA). A value of Yes signifies agreement to the EULA and
; should be used in conjunction with the terms of your license
; agreement.
  OemSkipEula = Yes

[GuiUnattended]
; Sets the TimeZone. For example, to set the TimeZone for the
; Pacific Northwest, use a value of "004." Be sure to use the
; numeric value that represents your own time zone. To look up
; a numeric value, see the Unattend.doc file on the Windows 2000 CD.
  TimeZone = "YourTimeZone"
; It is recommended that you change the administrator password
; before the computer is placed at its final destination.
  AdminPassword = AdminPassword
; Tells Unattended Setup to turn AutoLogon on and log on once.
  AutoLogon = Yes
  AutoLogonCount = 1
; The OemSkipWelcome key specifies whether the welcome page in the
; wizard phase of Setup should be skipped. A value of 1 causes the page
; to be skipped.
  OemSkipWelcome = 1
; The OemSkipRegional key allows Unattended Setup to skip
; RegionalSettings when the final location of the computer is unknown.
  OemSkipRegional = 1

[UserData]
  FullName = "Your user name"
  OrgName = "Your organization name"
; It is recommended that you avoid using spaces in the
; ComputerName value.
  ComputerName = "YourComputer_name"
; To ensure a fully unattended installation, you must provide a value
; for the ProductId key.
  ProductId = "Your product ID"

[Display]
  BitsPerPel = 8
  XResolution = 800
  YResolution = 600
  VRefresh = 60

[Networking]
; When you set the value of the InstallDefaultComponents key
; to Yes, Setup will install default networking components.
; The components to be set are TCP/IP, File and Print Sharing,
; and Client for Microsoft Networks.
  InstallDefaultComponents = Yes
```

Sample 3 – Install and Configure Windows 2000 and Configure Microsoft Internet Explorer with Proxy Settings

The following answer file installs and configures Microsoft® Internet Explorer and configures proxy settings.

```
; Microsoft Windows 2000 Professional, Server, Advanced Server
; © 1994–1999 Microsoft Corporation. All rights reserved.
;
; Sample Answer File for Unattended Setup
;
; This file contains information about how to automate the installation
; or upgrade of Windows 2000 Professional and Windows 2000 Server so
; that the Setup program runs without requiring user input.
```

```
;

[Unattended]
  UnattendMode = FullUnattended
  TargetPath = Windows
  FileSystem = LeaveAlone
  OemPreinstall = Yes
  OemSkipEula = Yes

[GuiUnattended]
; Sets the TimeZone. For example, to set the TimeZone for the
; Pacific Northwest, use a value of "004." Be sure to use the
; numeric value that represents your own time zone. To look up
; a numeric value, see the Unattend.doc file on the Windows 2000 CD.
  TimeZone = "YourTimeZone"
; It is recommended that you change the administrator password
; before the computer is placed at its final destination.
  AdminPassword = AdminPassword
; Tells Unattended Setup to turn AutoLogon on and log on once.
  AutoLogon = Yes
  AutoLogonCount = 1
  OemSkipWelcome = 1
; The OemSkipRegional key allows Unattended Setup to skip
; RegionalSettings when the final location of the computer is unknown.
  OemSkipRegional = 1

[UserData]
  FullName = "Your user name"
  OrgName = "Your organization name"
; It is recommended that you avoid using spaces in the
; ComputerName value.
  ComputerName = "YourComputername"
; To ensure a fully unattended installation, you must provide a value
; for the ProductId key.
  ProductId = "Your product ID"

[LicenseFilePrintData]
; This section is used for server installs.
  AutoMode = "PerServer"
  AutoUsers = "50"

[Display]
  BitsPerPel = 8
  XResolution = 800
  YResolution = 600
  VRefresh = 60

[Components]
; This section contains keys for installing the components of
; Windows 2000. A value of On installs the components, and a
; value of Off prevents the component from being installed.
  iis_common = On
  iis_inetmgr = Off
  iis_www = Off
  iis_ftp = Off
  iis_htmla = Off
  iis_doc = Off
  iis_pwmgr = Off
  iis_smtp = On
  iis_smtp_docs = Off
  Mts_core = On
; The Fp key installs Front Page Server Extensions.
  Fp = On
  Msmq = Off
; If you set the TSEnable key to On, Terminal Services is installed on
; Windows 2000 Server.
  TSEnable = On
; If you set the TSClients key to On, the files required to create
; Terminal Services client disks are installed. If you set this key
; to On, you must also set the TSEnable key to On.
  TSClients = On
; TSPrinterDrivers and TSKeyboardDrivers are optional keys. If enabled,
; they require additional disk space.
  TSPrinterDrivers = Off
```

```
TSKeyboardDrivers = Off
Netoc = On
Reminst = On
Certsrv = Off
Rstorage = Off
Indexsrv_system = On
Certsrv_client = Off
Certsrv_server = Off
Certsrv_doc = Off
Accessopt = On
Calc = On
Cdplayer = On
Charmap = On
Chat = Off
Clipbook = On
Deskpaper = On
Dialer = On
Freecell = Off
Hypertrm = On
Media_blindnoisy = On
Media_blindquiet = On
Media_clips = On
Media_jungle = On
Media_musica = On
Media_robotz = On
Media_utopia = On
Minesweeper = Off
Mousepoint = Off
Mplay = On
Mswordpad = On
Objectpkg = On
Paint = On
Pinball = Off
Rec = On
Solitaire = Off
Templates = On
Vol = On

[TapiLocation]
  CountryCode = "1"
  Dialing = Pulse
; Indicates the area code for your telephone. This value should
; be a 3-digit number.
  AreaCode = "Your telephone area code"
  LongDistanceAccess = 9

[Networking]
; When you set the value of the InstallDefaultComponents key
; to Yes, Setup will install default networking components.
; The components to be set are TCP/IP, File and Print Sharing,
; and Client for Microsoft Networks.
  InstallDefaultComponents = Yes

[Identification]
  JoinDomain = YourCorpNet
  DomainAdmin = YourCorpAdmin
  DomainAdminPassword = YourAdminPassword

[NetOptionalComponents]
; This section contains a list of the optional network
; components to install.
  Wins = Off
  Dns = Off
  Dhcpserver = Off
  ils = Off
  Snmp = Off
  Lpdsvc = Off
  Simptcp = Off
  Netmontools = On
  Dsmigrat = Off

[Branding]
; This section brands Microsoft Internet Explorer with custom
; properties from the Unattended answer file.
```

```
  BrandIEUsingUnattended = Yes

[URL]
; This section contains custom URL settings for Microsoft
; Internet Explorer. If these settings are not present, the
; default settings are used. Specifies the URL for the
; browser's default home page. For example, you might use the
; following: Home_Page = www.microsoft.com.
  Home_Page = YourHomePageURL
; Specifies the URL for the default search page. For example, you might
; use the following: Search Page = www.msn.com
  Search_Page = YourSearchPageURL
; Specifies a shortcut name in the link folder of Favorites.
; For example, you might use the following: Quick_Link_1_Name =
; "Microsoft Product Support Services"
  Quick_Link_1_Name = "Your Quick Link Name"
; Specifies a shortcut URL in the link folder of Favorites. For example,
; you might use this: Quick_Link_1 = http://support.microsoft.com/.
  Quick_Link_1 = YourQuickLinkURL

[Proxy]
; This section contains custom proxy settings for Microsoft
; Internet Explorer. If these settings are not present, the default
; settings are used. If proxysrv:80 is not accurate for your
; configuration, be sure to replace the proxy server and port number
; with your own parameters.
  HTTP_Proxy_Server = proxysrv:80
  Use_Same_Proxy = 1
  Proxy_Enable = 1
  Proxy_Override = <local>
```

Sample 4 – Install and Configure Windows 2000 Server with Two Network Adapters

The following answer file installs Microsoft® Windows® 2000 Server with two network adapters; one adapter uses Dynamic Host Configuration Protocol (DHCP), and the other uses static information.

```
; Microsoft Windows 2000 Server, Advanced Server
; © 1994–1999 Microsoft Corporation. All rights reserved.
;
; Sample Answer File for Unattended Setup
;
; This file contains information about how to automate the installation
; or upgrade of Windows 2000 Server or Windows 2000 Advanced Server so
; that the Setup program runs without requiring user input.
;

[Unattended]
  UnattendMode = FullUnattended
  TargetPath = Winnt
  Filesystem = ConvertNTFS

[GuiUnattended]
; Sets the TimeZone. For example, to set the TimeZone for the
; Pacific Northwest, use a value of "004." Be sure to use the
; numeric value that represents your own time zone. To look up
; a numeric value, see the Unattend.doc file on the Windows 2000 CD.
  TimeZone = "YourTimeZone"
; It is recommended that you change the administrator password
; before the computer is placed at its final destination.
  AdminPassword = AdminPassword
; Tells Unattended Setup to turn AutoLogon on and log on once.
  AutoLogon = Yes
  AutoLogonCount = 1

[LicenseFilePrintData]
; This section is used for server installs.
  AutoMode = "PerServer"
  AutoUsers = "50"

[UserData]
```

```
    FullName = "Your user name"
    OrgName = "Your organization name"
  ; It is recommended that you avoid the use of spaces in the
  ; ComputerName value.
    ComputerName = "YourComputer_name"
  ; To ensure a fully unattended installation, you must provide a value
  ; for the ProductId key.
    ProductId = "Your product ID"
  [Display]
    BitsPerPel = 8
    XResolution = 800
    YResolution = 600
    VRefresh = 70

  [Networking]
  ; When you set the value of the InstallDefaultComponents key
  ; to Yes, Setup will install default networking components.
  ; The components to be set are TCP/IP, File and Print Sharing,
  ; and Client for Microsoft Networks.
    InstallDefaultComponents = Yes

  [Identification]
    JoinDomain = YourCorpNet
    DomainAdmin = YourCorpAdmin
    DomainAdminPassword = YourAdminPassword

  [NetAdapters]
  ; In this example, there are two network adapters, Adapter01
  ; and Adapter02. Note that the adapter specified here as 01 is not
  ; always local area network (LAN) connection 1 in the user interface.
    Adapter01 = Params.Adapter01
    Adapter02 = Params.Adapter02

  [Params.Adapter01]
  ; Specifies which adapter is number one. Note that the InfID key
  ; must match a valid PNP ID in the system. For example, a valid
  ; PNP ID might look like the following: InfID = "pci\ven_0e11&dev_ae32"
    InfID = "Your_PNP_ID_for_Adapter01"

  [Params.Adapter02]
  ; Specifies which adapter is number two. Note that the InfID key must
  ; match a valid PNP ID in the system. For example, a valid PNP ID
  ; might look as follows: InfID = "pci\ven_8086&dev_1229&subsys_00018086"
    InfID = "Your_PNP_ID_for_Adapter02"

  [NetClients]
  ; Installs the Client for Microsoft Networks.
    MS_MSClient = params.MS_MSClient

  [Params.MS_MSClient]

  [NetProtocols]
  ; Installs only the TCP/IP protocol.
    MS_TCPIP = params.MS_TCPIP

  [params.MS_TCPIP]
  ; This section configures the TCP/IP properties.
    AdapterSections = Params.MS_TCPIP.Adapter01,params.MS_TCPIP.Adapter02

  [Params.MS_TCPIP.Adapter01]
  ; Adapter01 uses DHCP server information.
    SpecificTo = Adapter01
    DHCP = Yes
    Wins = Yes

  [Params.MS_TCPIP.Adapter02]
  ; Adapter02 uses static TCP/IP configuration.
    SpecificTo = Adapter02
    IPAddress = 1.1.1.1
    SubnetMask = 255.255.248.0
    DefaultGateway = 2.2.2.2
    DHCP = No
    Wins = No
```

```
[NetServices]
; Install File and Print services.
  MS_Server = Params.MS_Server

[Params.MS_Server]
```

Sample 5 – Install Windows 2000 Advanced Server with Network Load Balancing

The following answer file installs Microsoft® Windows® 2000 Advanced Server with Network Load Balancing.

```
; Microsoft Windows 2000 Advanced Server
; © 1994–1999 Microsoft Corporation. All rights reserved.
;
; Sample Answer File for Unattended Setup
;
; This file contains information about how to automate the installation
; or upgrade of Windows 2000 Advanced Server so that the
; Setup program runs without requiring user input.
;

[Unattended]
  UnattendMode = FullUnattended
  TargetPath = Windows
  FileSystem = ConvertNTFS

[GuiUnattended]
; Sets the TimeZone. For example, to set the TimeZone for the
; Pacific Northwest, use a value of "004." Be sure to use the
; numeric value that represents your own time zone. To look up
; a numeric value, see the Unattend.doc file on the Windows 2000 CD.
  TimeZone = "YourTimeZone"
; It is recommended that you change the administrator password
; before the computer is placed at its final destination.
  AdminPassword = AdminPassword
; Tells Unattended Setup to turn AutoLogon on and log on once.
  AutoLogon = Yes
  AutoLogonCount = 1
  AdvServerType = Servernt

[LicenseFilePrintData]
; This section is used for server installs.
  AutoMode = "PerServer"
  AutoUsers = "50"

[UserData]
  FullName = "Your user name"
  OrgName = "Your organization name"
; It is recommended that you avoid the use of spaces in the
; ComputerName value.
  ComputerName = "YourComputer_name"
; To ensure a fully unattended installation, you must provide a value
; for the ProductId key.
  ProductId = "Your product ID"

[Display]
  BitsPerPel = 8
  XResolution = 800
  YResolution = 600
  VRefresh = 70

[Networking]
; When you set the value of the InstallDefaultComponents key
; to Yes, Setup will install default networking components.
; The components to be set are TCP/IP, File and Print Sharing,
; and Client for Microsoft Networks.
  InstallDefaultComponents=Yes

[Identification]
  JoinDomain = YourCorpNet
  DomainAdmin = YourCorpAdmin
```

```
DomainAdminPassword = Your AdminPassword

[NetAdapters]
; In this example, there are two network adapters, Adapter01
; and Adapter02. Note that the adapter specified here as 01 is not
; always local area network (LAN) connection 1 in the user interface.
; The network adapters in this example are not identical.
  Adapter01 = Params.Adapter01
  Adapter02 = Params.Adapter02

[NetBindings]
  Enable = MS_WLBS, Adapter01
  Enable = MS_TCPIP, Adapter02

[Params.Adapter01]
; Specifies which adapter is number one.
  PseudoAdapter = No
  PreUpgradeInstance = E100B1
; Note that the InfID key must match a valid PNP ID in the
; system. For example, a valid PNP ID might look like the
; following: InfID = PCI\VEN_8086&DEV_1229.
  InfID = Your_PNP_ID_for_Adapter01
  BusType = PCI
; The ConnectionName key specifies the name for the network connection
; associated with the network adapter that you are installing.
  ConnectionName = "Connection1"

[Params.Adapter02]
; Specifies which adapter is number two.
  PseudoAdapter = No
  PreUpgradeInstance = EI90x2
; Note that the InfID key must match a valid PNP ID in the
; system. For example, a valid PNP ID might look like the
; following: InfID = PCI\VEN_10b7&DEV_9050
  InfID = Your_PNP_ID_for_Adapter02
  BusType = PCI
; The ConnectionName key specifies the name for the network connection
; associated with the network adapter that you are installing.
  ConnectionName = "Connection2"

[NetProtocols]
  MS_TCPIP = Params.MS_TCPIP
  MS_NetMon = Params.MS_NetMon

[Params.MS_TCPIP]
  AdapterSections = params.MS_TCPIP.Adapter01,params.MS_TCPIP.Adapter02

[Params.MS_TCPIP.Adapter01]
  SpecificTo = Adapter01
  DNSServerSearchOrder = 192.31.56.150
  Wins = Yes
  WinsServerList = 192.31.56.150
  NetBIOSOptions = 0
  DHCP = No
  IPAddress = 192.31.56.90,192.31.56.91
  SubnetMask = 255.255.255.0,255.255.255.0
  DefaultGateway = 192.31.56.150

[Params.MS_TCPIP.Adapter02]
  SpecificTo = Adapter02
  DNSServerSearchOrder = 192.31.56.150
  Wins = Yes
  WinsServerList = 192.31.56.150
  NetBIOSOptions = 0
  DHCP = No
  IPAddress = 192.31.56.92
  SubnetMask = 255.255.255.0
  DefaultGateway = 192.31.56.150

[Params.MS_NetMon]

[Params.MS_WLBS]
; This section contains keys specific to setting the properties of
; Network Load Balancing.
```

```
    HostPriority = 1
    ClusterModeOnStart = 0
    ClusterIPAddress = 192.31.56.91
    ClusterNetworkMask = 255.255.255.0
    DedicatedIPAddress = 192.31.56.90
    DedicatedNetworkMask = 255.255.255.0
    ClusterName =
    cluster.domain.com
    MulticastSupportEnable = 0
    MaskSourceMAC = 1
    RemoteControlCode = 0x00000000
    RemoteControlUDPPort = 2504
    RemoteControlEnabled = 1
    Ports =
    80,80,Both,Multiple,None,Equal,443,443,Both,Multiple,Single,Equal
    AliveMsgPeriod = 2000
    AliveMsgTolerance = 10
    NumActions = 50
    NumPackets = 100
    NumAliveMsgs = 10
    DescriptorsPerAlloc = 512
    MaxDescriptorAllocs = 512
    ConnectionCleanupDelay = 300000
    NBTSupportEnable = 1

[NetClients]
    MS_MSClient = Params.MS_Client

[Params.MS_Client]

[NetServices]
    MS_Server = Params.MS_Server
    MS_WLBS = Params.MS_WLBS

[Params.MS_Server]
    Optimizations = Balance

[NetOptionalComponents]
    Netmontools = 1
```

Sample 6 – Install Windows 2000 Advanced Server with Windows Clustering

The following answer file installs Windows 2000 Advanced Server with Windows Clustering.

```
; Microsoft Windows 2000 Advanced Server.
; © 1994–1999 Microsoft Corporation. All rights reserved.
;
; Sample Answer File for Unattended Setup
;
; This file contains information about how to automate the installation
; or upgrade of Windows 2000 Advanced Server so that the Setup program
; runs without requiring user input.
;

[Unattended]
    UnattendMode = FullUnattended
    TargetPath = Advsrv
    FileSystem = ConvertNTFS
    OemPreinstall = Yes
    OemSkipEula = Yes

[GuiUnattended]
; Sets the TimeZone. For example, to set the TimeZone for the
; Pacific Northwest, use a value of "004." Be sure to use the
; numeric value that represents your own time zone. To look up
; a numeric value, see the Unattend.doc file on the Windows 2000 CD.
    TimeZone = "YourTimeZone"
; It is recommended that you change the administrator password
; before the computer is placed at its final destination.
    AdminPassword = AdminPassword
```

```
; Tells Unattended Setup to turn AutoLogon on and log on once.
  AutoLogon = Yes
  AutoLogonCount = 1
  AdvServerType = Servernt
  OemSkipWelcome = 1
; The OemSkipRegional key allows Unattended Setup to skip
; RegionalSettings when the final location of the computer is unknown.
  OemSkipRegional = 1

[LicenseFilePrintData]
; This section is used for server installs.
  AutoMode = "PerServer"
  AutoUsers = "50"

[UserData]
  FullName = "Your user name"
  OrgName = "Your organization name"
; It is recommended that you avoid the use of spaces in the
; ComputerName value.
  ComputerName = "YourComputer_name"
; To ensure a fully unattended installation, you must provide a value
; for the ProductId key.
  ProductId = "Your product ID"

[Display]
  BitsPerPel = 8
  XResolution = 800
  YResolution = 600
  VRefresh = 70

[Networking]
; When you set the value of the InstallDefaultComponents key
; to Yes, Setup will install default networking components.
; The components to be set are TCP/IP, File and Print Sharing,
; and Client for Microsoft Networks.
  InstallDefaultComponents = Yes

[Identification]
  JoinDomain = YourCorpNet
  DomainAdmin = YourCorpAdmin
  DomainAdminPassword = YourAdminPassword
[NetAdapters]
; In this example there are three network adapters, Adapter 01,
; Adapter 02, and Adapter 03. The adapter specified here as 01 is not
; always LAN connection 1 in the user interface. The network adapters
; in this example are not identical.

  Adapter01 = Params.Adapter01
  Adapter02 = Params.Adapter02
  Adapter03 = Params.Adapter03

[Params.Adapter01]
; Specifies which adapter is number one.
; Note that the NetCardAddress key must match a valid address of the
; adapter in the system. For example, a valid address might look like
; the following: NetCardAddress = 0x00C04F778A5A
  NetCardAddress = YourNetCardAddress
; The ConnectionName key specifies the name for the network connection
; associated with the network adapter that you are installing.
  ConnectionName = CorpNet

[Params.Adapter02]
; Specifies which adapter is number two. Note that the
; NetCardAddress key must match a valid address of the adapter
; in the system. For example, a valid address might look like the
; following: NetCardAddress = 0x00C04F778A5A
  NetCardAddress = YourNetCardAddress
; The ConnectionName key specifies the name for the network connection
; associated with the network adapter that you are installing.
  ConnectionName = VendorNet

[Params.Adapter03]
; Specifies which adapter is number three. Note that the
; NetCardAddress key must match a valid address of the adapter
```

```
; in the system. For example, a valid address might look like the
; following: NetCardAddress = 0x00C04F778A5A
  NetCardAddress = YourNetCardAddress
; The ConnectionName key specifies the name for the network connection
; associated with the network adapter that you are installing.
  ConnectionName = PrivateNet

[NetClients]
; Installs the Client for Microsoft Networks.
  MS_MSClient = Params.MS_MSClient

[Params.MS_MSClient]

[NetProtocols]
; Installs only the TCP/IP protocol.
  MS_TCPIP = Params.MS_TCPIP
[Params.MS_TCPIP]
; This section configures TCP/IP properties.
  AdapterSections =
  Params.MS_TCPIP.Adapter01,params.MS_TCPIP.Adapter02,params.MS_TCPIP.A
  dapter03

[Params.MS_TCPIP.Adapter01]
; CorpNet on Adapter01 uses DHCP server information.
  SpecificTo = Adapter01
  DHCP = Yes
  DNSServerSearchOrder = 172.31.240.226, 172.31.240.225
  DNSSuffixSearchOrder = CorpNet, dns.domain.com
  DNSDomain = CorpNet

[Params.MS_TCPIP.Adapter02]
; VendorNet on Adapter02 uses local DHCP information.
  SpecificTo = Adapter02
  DHCP = Yes

[Params.MS_TCPIP.Adapter03]
; PrivateNet on Adapter03 uses static information.
  SpecificTo = Adapter03
  DHCP = No
  WINS = No
  IPAddress = 10.2.0.41
  SubnetMask = 255.255.0.0
  DefaultGateway = 2.2.2.2
  DNSServerSearchOrder = 10.2.0.253, 10.2.0.254

[NetServices]
; Installs File and Print services.
  MS_Server = Params.MS_Server

[Params.MS_Server]

[Components]
; Installs Windows Clustering and Administration components on
; Advanced Server when you set the value to On.
  Cluster = On

[Cluster]
  Name = CorpCluster
  Action = Form
  Account = CorpAdmin
  Domain = CorpNet
  IPAddr = 172.31.240.227
  Subnet = 255.255.248.0
  Network = CorpNet,ALL
  Network = VendorNet,ALL

[GuiRunOnce]
; You can automate the running of Cluscfg.exe by placing Cluscfg.exe
; in the [GuiRunOnce] section of the Unattended answer file. This
; executes Cluscfg.exe and configures clustering on the first startup
; after GUI mode Setup has completed.
; You must include the full path to the program between the quotes.
  "%Windir%\Cluster\Cluscfg.exe -unattend"
```

```
[NetOptionalComponents]
  NETMONTOOLS = 1
```

URL http://proquest.safaribooksonline.com/0970001946/app03lev1sec3